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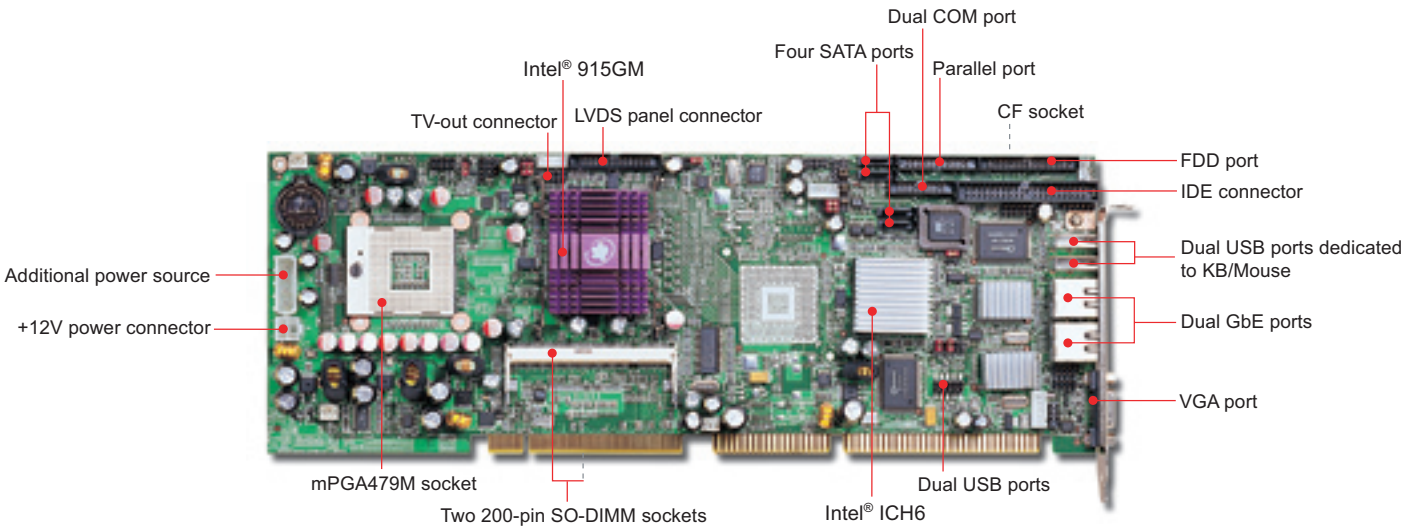
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ROBO-8718VG2A

Intel® Pentium® M or Celeron® M processor based PICMG SBC with DDR2 533 SDRAM, VGA, Dual Gigabit Ethernet and Audio



FEATURES

- ROBO-8718 offers flexible 400MHz and 533MHz FSB selection of Intel® Pentium® M / Celeron® M that features high computing power with low heat
- Scalable graphics support from Intel® 915GM featuring GMA 900 to ATI M22 graphics controller integrated 64MB display memory via PCI Express x16
- ATI M22 graphics support dual display configuration of LCD/CRT, TV/ CRT, LCD/LCD, LCD/TV displays
- High speed dual Gigabit Ethernet based on PCI Express x1, high bandwidth I/O interface
- Four SATA 150 ports for high speed storage interface and easy cable routing (RAID 0 & 1 or Intel® Matrix Storage)

ORDERING GUIDE

Standard	**ROBO-8718VG2A** Socket mPGA479M Pentium® M or Celeron® M processor based PICMG SBC with DDR2 533 SDRAM, VGA, Dual Gigabit Ethernet and Audio
Optional	**PA-M1ATU** Multimedia kit with audio, TV-out and dual USB ports
	PA-M1AU Multimedia kit for P4 SBC with audio and USB ports
	DVI-D Cable TMDS adapter cable for DVI interface flat panel

GENERAL

Processor	CPU & Package: Intel® Pentium® M or Celeron® M processor in mFCPGA package FSB: 533/400MHz
Chipset/Core Logic	Intel® 915GM and ICH6
System Memory	Up to 2GB DDR2 533/400 SDRAM on two 200-pin SODIMM sockets
BIOS	Award BIOS
Storage Devices	EIDE: Support two EIDE devices with Ultra DMA 100/66/33 SATA: Support four SATA 150 drives
Solid State Disk	- One Type II CF socket - On Primary EIDE channel - Bootable for no drives on primary channel
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Expansion Interface	N/A
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	Typical: +5V@5.41A; +12V@1.58A
Dimension	Dimension : 338.5(L) x 122(W) mm; 13.33"(L) x 4.8" (W) PCB: 8-layer
Environment	Operating Temperature: 0 to 60°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
MTBF	77,830 hrs

I/O

MIO	Two serial (selectable RS232/422/485 x1), one parallel, one FDD channel
IrDA	IrDA 1.0
Ethernet	- 10BASE-T/100BASE-TX/1000BASE-T Ethernet - Dual PCI-Express x1 based - Dual RJ-45 connectors with two LED indicators
Audio	AC'97 2.2 Audio
USB	Four USB 2.0 ports
Keyboard & Mouse	Two USB 2.0 ports on bracket dedicated to keyboard & mouse

DISPLAY

Graphic Controller	- ATI Mobility M22 graphics controller [ROBO-8718UG2A] - Intel® 915GM integrated GMA 900 (Graphics Media Accerator) [ROBO-8718VG2A]
Graphic Memory	64MB display memory
Display Interface	- Support CRT, LVDS, TV-out & DVI (TMDS) display interfaces [ROBO-8718UG2A] - Support CRT, LVDS & TV-out display interfaces [ROBO-8718VG2A]

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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